NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET
(pursuant to NAC 445A.236)

Permittee: Truckee Meadows Water Authority
P. O. Box 30013
Reno, NV 89520

Permit Number: NV0020877

Facility Location: Hunter Creek Reservoir
5001 Ross Drive
Reno, Nevada

Revised

Latitude: 39° 30' 02.82" N.
Longitude: 119° 52' 48.45" W.

Draft

Township 19N, Range 19E, Section 20
Washoe County, Nevada

General:
Prior to 1999, Sierra Pacific Power Company (SPPCo) operated the Hunter Creek Water Treatment Plant to treat raw river water to a quality suitable for public use. During periods of high water demand, water from the Truckee River was diverted, treated, and stored in the 30-million-gallon Hunter Creek Reservoir. The Hunter Creek Water Treatment Plant was decommissioned in 1999/2000, and the reservoir was retrofitted with a high density polyethylene liner above a sub-drain system and with a polypropylene cover for storage of potable, "finish" water for municipal domestic use. Ownership and operation of the facility was transferred to Truckee Meadows Water Authority (TMWA) in June, 2001.

All of the water supplied to the Hunter Creek Reservoir is from the TMWA Chalk Bluff water treatment plant. At the Chalk Bluff facility, water from the Truckee River is treated to remove solids, filtered and chlorinated to meet drinking water standards, and is subsequently pumped to the Hunter Creek reservoir for storage. In the event that the Hunter Creek reservoir requires maintenance, or if the reservoir exhibits structural failure, discharge to a portion of the Steamboat Ditch drainage system, and ultimately to the Truckee River, may be necessary. Additionally, water collected in the sub-drain system is monitored for residual chlorine and is periodically discharged to the Steamboat Ditch System.

If stored water must be released from the Hunter Creek reservoir, discharge is directed into an on-site portion of the Steamboat Ditch System, which flows approximately 1.5 miles through residential neighborhoods and urban/suburban open lands to the Truckee River. In the event of a major discharge to Hunter Creek, TMWA mobilizes a portable dechlorination system to remove residual chlorine. For discharge from the sub drain system, residual chlorine is monitored, but the discharge is not de-chlorinated due to the small volume and the residence time within the collection main and the ditch. Due to the rapid loss of residual chlorine in flowing water resulting from aeration, sunlight, and consumption by organic materials within the ditch, any residual chlorine is dissipated to acceptable levels prior to discharge to the Truckee River, and does not pose a threat to human

health, wildlife, or the environment.

Because the direct discharge of "finish"-grade water to the Truckee River results in the loss of salable product, as well as the added cost of chlorine removal, the preferred course of action is the transfer of water from the reservoir to alternate storage locations or reservoirs. Discharge of large quantities of product water is unlikely.

Discharge Flow and Characteristics:
The Permittee has requested inclusion under the discharge category *Discharge from a Treatment Plant for Drinking Water, Intermittent discharge of 1,000,000 gallons or more daily,* pursuant to Nevada Administrative Code (NAC) 445A.232. Discharges from the reservoir would be by gravity flow.

Revised

Receiving Water Characteristics:
The potential discharges would be to the reach of the Truckee River upstream of the control point at Idlewild Park. The potential discharges would be to the Truckee River, between the NAC identified control points California/Nevada State Line (upstream) and Idlewild (downstream). Beneficial uses for the Truckee River, for its entire length, are the following: Irrigation; Watering of livestock; Recreation involving contact with the water; Recreation not involving contact with water; Industrial supply; Municipal or domestic supply, or both; Propagation of wildlife; and Propagation of aquatic life. The aquatic life of major concern in the reach of the river into which the Hunter Creek Reservoir would discharge are all life stages of mountain whitefish, rainbow trout and brown trout.

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The RMHQ and Beneficial Use water quality standards listed in Nevada Administrative Code (NAC) 445A.185 for the Truckee River above the Idlewild control point apply. Those parameters for which the river meets requirements to maintain existing higher quality (RMHQ) standards shall apply to the Hunter Creek Reservoir Outfall 001.

Proposed Effluent Limitations and Monitoring Requirements:
Discharge from Outfall 001 will be subject to the following limitations:

DISCHARGE EFFLUENT MONITORING

PARAMETERS	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS		
	Maximum	Measurement Frequency	Sample Location	Sample Type
Flow (MGD)	Monitor and Report	Each Discharge Event	Overflow Box (NW Corner)	Calculated Estimate
Residual Chlorine (mg/l)	0.10	Each Discharge Event	Overflow Box (NW Corner)	Discrete

MGD: Million gallons per day
mg/L: Milligrams per liter
NW: Northwest

Schedule of Compliance:
The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.

Rationale for Permit Requirements and Limitations
Water quality standards as prescribed in NAC 445A.120-123, 445A.127, and 445A.144-145 are used in part as a basis to define the discharge limits set herein by this permit. Monitoring per the above permit requirements will assess the quality of any water discharged, and will ensure that the water quality of the Truckee River is not degraded. There are no listed discharge parameters or limits that apply to this type of discharge in Chapter 40 of the Code of Federal Regulation effluent limitation guidelines.

Revised

The chlorine residual limit of 0.10 mg/l is generally adhered to for all discharges to waters of the State of Nevada that are applicable. Residual chlorine is expected to be dissipated to levels that are not injurious to aquatic species.

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Procedures for Public Comment:
The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge into the above stated reach of Hunter Creek, subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **October 18, 2006 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:
The Division has made the tentative determination to re-issue the proposed permit for a 5-year period, subject to certain permit limitations and conditions.

Prepared By: Janine Hartley
February 2006
Revised September 2006